

Source Water Assessment Report



Public Water Supply: FRANKLIN CO RWD 6

**Assessment Areas Include:
336**



Kansas Department of Health and Environment
Bureau of Water Watershed Management Section
1000 SW Jackson St., Suite 420
Topeka, KS 66612-1367



Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114



Kansas Geological Survey University of Kansas
1930 Constant Ave.
Lawrence, KS 66047

Reports were generated with the Automated Source Water Assessment Tool (ASWAT). Assessments were completed online using ASWAT by hundreds of state employees, public water supply staff, and technical assistant providers throughout the State of Kansas.

Table Of Contents

<u>Report Description</u>	
<u>Assessment Area 336</u>	<u>1.0</u>
<u>Executive Summary</u>	<u>1.1</u>
<u>Potential Sources</u>	<u>1.2</u>
<u>Added Sources</u>	<u>1.3</u>
<u>Potential Contaminants Summary</u>	<u>1.4</u>
<u>Potential Contaminants Listing</u>	<u>1.5</u>
<u>Protection Measures</u>	<u>1.6</u>
<u>Assessment Analysis</u>	<u>1.7</u>
<u>Site Comments</u>	<u>1.8</u>
<u>Added Site Comments</u>	<u>1.9</u>
<u>Analysis Question Comments</u>	<u>1.10</u>

Report Description

Detailed Explanation of Entire Report:

The 1996 amendments to the Safe Drinking Water Act require each state to develop a Source Water Assessment Program (SWAP) and a Source Water Assessment (SWA) for each Public Water Supply (PWS) that treats and distributes raw source water. In Kansas there are 761 public water supplies that require SWAs. A SWA includes a delineation of the source water assessment area, an inventory of potential contaminant sources, and a susceptibility analysis.

A PWS can consist of one or more individual assessment areas that require different assessments. In general, an assessment area is delineated at a two-mile fixed radius for a groundwater well. A surface water intake assessment area is the upstream-drainage area (watershed), inside the state border. Additionally, an assessment area can consist of an individual well, group of wells, an individual surface water intake, or multiple surface water intakes.

After each assessment is completed a report is automatically generated using an Internet-based application called the Automated Source Water Assessment Tool (ASWAT). The individual assessment reports combine to form the entire SWA report for a PWS.

A map of each Assessment Area was also generated with ASWAT. However, for security reasons the maps are not included in this report. To obtain a copy of the map(s), please contact your local PWS.

All PWS reports will be available for viewing and downloading on KDHE's Watershed Management Section website(<http://www.kdhe.state.ks.us/nps>) in 2004.

FRANKLIN CO RWD 6 Summary:

AA	Type	Diversion Id
336	River Alluvium	001, 003, 002, 999

Public Water Supply: **FRANKLIN CO RWD 6**
Assessment Area: **336**
Diversion Id's: **001, 003, 002, 999**
Status: **Accepted**
Submit Date: **2003-01-03 15:43:57**

Executive Summary:

The Executive Summary gives the assessment area's Susceptibility Likelihood Score (SLS) for each contaminant of concern category.

SLS indicates which contaminant category is most likely to impact a given public water supply. Contaminants of concern for groundwater include microbiological, inorganic compounds, nitrates, synthetic organic compounds, pesticides, and volatile organic compounds. Contaminants of concern for surface water include microbiological, inorganic compounds, eutrophication – phosphorus, sedimentation, synthetic organic compounds, pesticides, and volatile organic compounds.

To determine the assessment area's susceptibility to contamination, a qualitative (semi-quantitative) screening level susceptibility analysis was designed that utilizes general assumptions and best professional judgement. It is a systematic procedure comprised of simple yes/no questions. Each question in the susceptibility analysis focuses on the presence or absence of potential pollution sources in the assessment area. SLS is most useful in helping the Public Water Supply (PWS) focus on water quality protection actions towards a contaminant category of concern. For example, if the SLS for microbiological contamination is high, relative to volatile organic compounds (VOC), water supply protection planners would conclude that the attention should be directed towards microbiological contaminant sources rather than VOC sources.

Executive Summary

Public Water Supply: **FRANKLIN CO RWD 6**
Assessment Area: **336**

Susceptibility Likelihood Scores for Assessment Area

	A	B	B1	B2	C	C*	D
Susceptibility Likelihood Score – SLS	97	90	96	96	92	93	93
SLS Range	High	High	High	High	High	High	High

A – Microbiological

B2 – Sedimentation

C* – Pesticides

B – Inorganic Compounds

C – Synthetic Organic Compounds

D – Volatile Organic Compounds

B1 – Eutrophication – Phosphorous

Susceptibility Likelihood Range

SLS Range	
0–50	Low Susceptibility
51–80	Moderate Susceptibility
81–100	High Susceptibility

Public Water Supply: **FRANKLIN CO RWD 6**
Assessment Area: **336**
Diversion Id's: **001, 003, 002, 999**
Status: **Accepted**
Submit Date: **2003-01-03 15:43:57**

Potential Sources:

The Potential Sources section lists all the sites that have been identified as potential sources of contamination.

Potential sources of contamination may include land uses, industry, or businesses that could generate or store chemicals/substances that could potentially contaminate the water supply only if released into the environment. Both unregulated sites from business location databases and regulated sites from various KDHE databases were compiled. Additional sites could have been added by an evaluator through the assessment process to supplement the original data.

The 1987 Standard Industrial Classifications (SIC) were used to identify potential contaminate sites. The SIC system classifies establishments into industries on the basis of the primary activities of the establishment.

Each assessment area is delineated with 3 assessment zones. These zones can be used to get a general understanding of the potential influence sites have based on proximity to the water supply. Zone A is a 100-foot radius around a groundwater well and a 1000-foot radius around a surface water intake. Zone B is a 2000-foot radius around wells and a hydrological delineated buffer around the surface water sources. Zone C is a 2-mile radius around wells and the balance of the watershed for intakes. The potential sources listed in this section are sorted to show all the potential sources in Zone A first, Zone B second, and Zone C third.

Although a facility or business is identified in the study as a potential concern, it does not necessarily mean a release or spill has occurred. Contamination could only occur if certain chemical substances are released into the environment and filter into the water supply source.

The data for the potential sources of contamination was compiled from May through August in 2002. Some of the databases used were incomplete datasets that are continually being updated. Due to the incompleteness, inaccuracies, and new development, it is possible that sources of potential contamination that are in the assessment area are not included in the report. Inaccurate locations could also cause sources to show up in the assessment area that are not actually in the assessment. Additionally, duplication between the datasets could cause sites to show up multiple times in the assessment area.

Potential Sources

Public Water Supply: **FRANKLIN CO RWD 6**

Assessment Area: **336**

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
100780	Veterinary Services, Specialties	742	B
100784	Veterinary Services, Specialties	742	B
111777	Veterinary Services, Specialties	742	B
111778	Veterinary Services, Specialties	742	B
113635	Veterinary Services, Specialties	742	B
142200	Veterinary Services, Specialties	742	B
160257	Veterinary Services, Specialties	742	B
100769	Animal Specialty Services	752	B
100795	Animal Specialty Services	752	B
111668	Animal Specialty Services	752	B
111855	Animal Specialty Services	752	B
100631	Single-family Housing Construction	1521	B
111139	Single-family Housing Construction	1521	B
111140	Single-family Housing Construction	1521	B
111716	Single-family Housing Construction	1521	B
111789	Single-family Housing Construction	1521	B
111848	Single-family Housing Construction	1521	B
111856	Single-family Housing Construction	1521	B

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
141636	Single-family Housing Construction	1521	B
112307	Nonresidential Construction	1542	B
113684	Nonresidential Construction	1542	B
160268	Nonresidential Construction	1542	B
100750	Highway and Street Construction	1611	B
100696	Newspapers Publishing and Printing	2711	B
111309	Newspapers Publishing and Printing	2711	B
111495	Newspapers Publishing and Printing	2711	B
111526	Newspapers Publishing and Printing	2711	B
111771	Newspapers Publishing and Printing	2711	B
113689	Newspapers Publishing and Printing	2711	B
160274	Newspapers Publishing and Printing	2711	B
100774	Commercial Printing–Lithographic	2752	B
111271	Commercial Printing–Lithographic	2752	B
111673	Commercial Printing–Lithographic	2752	B
111407	Commercial Printing NEC	2759	B
111496	Commercial Printing NEC	2759	B
111297	Nitrogen Fertilizer Manufacturing	2873	B
112682	Farm Machinery and Equipment	3523	B
160288	Farm Machinery and Equipment	3523	B
111527	Signs and Advertising Display Manufacturing	3993	B
141615	Signs and Advertising Display Manufacturing	3993	B

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
141616	Signs and Advertising Display Manufacturing	3993	B
111773	Local Trucking, without Storage	4212	B
111894	Local Trucking, without Storage	4212	B
100712	Farm Product Warehousing and Storage	4221	B
141617	Farm Product Warehousing and Storage	4221	B
111150	Refuse Systems	4953	B
111288	Refuse Systems	4953	B
112658	Refuse Systems	4953	B
100737	Farm and Garden Machinery	5083	B
111151	Farm and Garden Machinery	5083	B
111298	Farm and Garden Machinery	5083	B
111138	Gasoline Service Station	5541	B
111157	Gasoline Service Station	5541	B
111263	Gasoline Service Station	5541	B
141619	Gasoline Service Station	5541	B
111763	Recreational vehicle sales and repair	5561	B
111720	Mobile Home Park	6515	B
111849	Sporting and Recreational Camps	7032	B
111168	Recreational Vehicle Parks and Campsites	7033	B
100751	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
111265	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B
111281	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B
111308	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B
111692	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B
111847	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B
100694	Auto Truck Repair Service	7538	B
100705	Auto Truck Repair Service	7538	B
100748	Auto Truck Repair Service	7538	B
111178	Auto Truck Repair Service	7538	B
111250	Auto Truck Repair Service	7538	B
111256	Auto Truck Repair Service	7538	B
111276	Auto Truck Repair Service	7538	B
111363	Auto Truck Repair Service	7538	B
111365	Auto Truck Repair Service	7538	B
111515	Auto Truck Repair Service	7538	B
111677	Auto Truck Repair Service	7538	B
111767	Auto Truck Repair Service	7538	B
113685	Auto Truck Repair Service	7538	B

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
111228	Car Wash	7542	B
111678	Car Wash	7542	B
111220	Repair Services, Nec	7699	B
111275	Repair Services, Nec	7699	B
138911	Repair Services, Nec	7699	B
100797	Deciduous Tree Fruit Orchard	175	C
100802	General Farm, Primarily Crop	191	C
111790	General Farm, Primarily Crop	191	C
142152	General Farm, Primarily Crop	191	C
142156	General Farm, Primarily Crop	191	C
159692	General Farm, Primarily Crop	191	C
112656	Cattle Working Area	212	C
111795	Dairy Farms	241	C
100776	Veterinary Services, Specialties	742	C
100815	Veterinary Services, Specialties	742	C
100834	Veterinary Services, Specialties	742	C
111534	Veterinary Services, Specialties	742	C
111535	Veterinary Services, Specialties	742	C
111536	Veterinary Services, Specialties	742	C
111537	Veterinary Services, Specialties	742	C
138834	Veterinary Services, Specialties	742	C
138835	Veterinary Services, Specialties	742	C
141993	Veterinary Services, Specialties	742	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
141994	Veterinary Services, Specialties	742	C
112693	Animal Specialty Services	752	C
142028	Animal Specialty Services	752	C
159693	Animal Specialty Services	752	C
111852	Oil and Gas Field services	1389	C
100767	Single-family Housing Construction	1521	C
100796	Single-family Housing Construction	1521	C
100799	Single-family Housing Construction	1521	C
111539	Single-family Housing Construction	1521	C
111562	Single-family Housing Construction	1521	C
111568	Single-family Housing Construction	1521	C
111588	Single-family Housing Construction	1521	C
111825	Single-family Housing Construction	1521	C
111844	Single-family Housing Construction	1521	C
111876	Single-family Housing Construction	1521	C
112647	Single-family Housing Construction	1521	C
112675	Single-family Housing Construction	1521	C
142133	Single-family Housing Construction	1521	C
100632	Nonresidential Construction	1542	C
100633	Nonresidential Construction	1542	C
111591	Nonresidential Construction	1542	C
112672	Nonresidential Construction	1542	C
111141	Highway and Street Construction	1611	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
142219	Meat Packing Plant Manufacturing	2011	C
111235	Prefabricated Wood Buildings Manufacturing	2452	C
111236	Prefabricated Wood Buildings Manufacturing	2452	C
141982	Prefabricated Wood Buildings Manufacturing	2452	C
142064	Prefabricated Wood Buildings Manufacturing	2452	C
100765	Newspapers Publishing and Printing	2711	C
138839	Newspapers Publishing and Printing	2711	C
142030	Newspapers Publishing and Printing	2711	C
112306	Commercial Printing–Lithographic	2752	C
142039	Commercial Printing NEC	2759	C
111886	Plastics products Manufacturing	3089	C
142011	Ready–mix Concrete Plant	3273	C
111711	Sheet Metal Work Manufacturing	3444	C
100726	Machinery, Except Electrical Manufacturing	3599	C
111819	Machinery, Except Electrical Manufacturing	3599	C
111820	Machinery, Except Electrical Manufacturing	3599	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
112716	Machinery, Except Electrical Manufacturing	3599	C
111234	Motor Vehicles and Car Bodies Manufacturing	3711	C
111833	Signs and Advertising Display Manufacturing	3993	C
111883	Signs and Advertising Display Manufacturing	3993	C
111838	Local Trucking, without Storage	4212	C
138840	Local Trucking, without Storage	4212	C
142168	Local Trucking, without Storage	4212	C
160237	Local Trucking, without Storage	4212	C
160258	Local Trucking, without Storage	4212	C
160238	Farm Product Warehousing and Storage	4221	C
142161	Refuse Systems	4953	C
112671	Construction and Mining Machinery	5082	C
113710	Construction and Mining Machinery	5082	C
111829	Farm and Garden Machinery	5083	C
142033	Farm and Garden Machinery	5083	C
111888	Scrap and Waste Materials	5093	C
100637	Gasoline Service Station	5541	C
112640	Gasoline Service Station	5541	C
138832	Gasoline Service Station	5541	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
160255	Gasoline Service Station	5541	C
138847	Recreational vehicle sales and repair	5561	C
111589	Mobile Home Park	6515	C
143303	Mobile Home Park	6515	C
111840	Sporting and Recreational Camps	7032	C
112719	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
138873	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
142098	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
100651	Auto Truck Repair Service	7538	C
111872	Auto Truck Repair Service	7538	C
111877	Auto Truck Repair Service	7538	C
111889	Auto Truck Repair Service	7538	C
112713	Auto Truck Repair Service	7538	C
113716	Auto Truck Repair Service	7538	C
142032	Auto Truck Repair Service	7538	C
142099	Auto Truck Repair Service	7538	C
111858	Car Wash	7542	C
142069	Car Wash	7542	C
100728	Repair Services, Nec	7699	C
111240	Repair Services, Nec	7699	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
111590	Repair Services, Nec	7699	C
111813	Repair Services, Nec	7699	C
111874	Repair Services, Nec	7699	C
112660	Repair Services, Nec	7699	C
112667	Repair Services, Nec	7699	C
141987	Repair Services, Nec	7699	C
111850	Golf Course	7992	C

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2000068	Harris, George Gary	A-MCFR-BA03	B
2000072	Thornton, Johnny	A-MCFR-S014	B
2000143	Schaub, Bud	A-MCFR-SA02	B
2000233	Van Horn, Gene	A-MCFR-BA08	B
2000265	Huffman, Lynn And Judy	A-MCLY-MA01	B
2000278	Boehm Farms	A-MCMI-S030	B
2000292	Mickelson Farm	A-MCOS-BA09	B
2000320	Perry, Homer	A-MCFR-MA08	B
2000392	Peckway Registered Holstein	A-MCFR-MA19	B
2000407	Cole, W.I.	A-MCFR-MA02	B
2000445	Hook, Donald / Bell, Arlo	A-MCOS-BA15	B

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2000480	Barnhart, Albert And Jame	A-MCFR-MA23	B
2000499	Woods, Bill	A-MCFR-MA13	B
2000549	Ryckert, Richard	A-MCMI-S025	B
2000575	Yates, F.d.	A-MCFR-M005	B
2000580	Hughes, Rex	A-MCFR-M010	B
2000672	Wasmund Dairy	A-MCFR-MA16	B
2000683	Krause, Ray	A-MCLY-SA01	B
2000695	Wray, Dennis	A-MCFR-M008	B
2000735	Jones, H. Arlan	A-MCFR-MA06	B
2000790	Page Dairy	A-MCFR-MA22	B
2000882	Litch Farms	A-MCOS-BA06	B
2001003	Coen, John	A-MCFR-M006	B
2001075	Crist Bros. Dairy	A-MCDG-M006	B
2001247	Reed, Marvin	A-MCOS-S012	B
2001391	Bethell Hog Farm	A-MCFR-S018	B
2001484	Sylvester Ranch, Inc.	A-MCFR-BA04	B
2001648	Schering-Plough Animal Health Corporation	A-MCFR-B003	B
2001847	Pearson, Fred	A-MCOS-BA11	B
2001948	Fredrickson, Ronald Patricia	A-MCOS-BA20	B
2000226	Schaub, Bud	A-MCFR-BA05	C
2000242	Steele, Robert	A-MCFR-MA05	C
2000274	Gragg, Don	A-MCFR-MA28	C

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2000275	Lyder, Larry	A-MCFR-MA21	C
2000293	Van Horn, Dale B.	A-MCFR-BA07	C
2000296	Miller, Wallace Or Patricia	A-MCOS-BA05	C
2000310	Owens, Larry	A-MCOS-MA02	C
2000347	Showalter, Ronald	A-MCFR-MA31	C
2000378	Rockhold, Keith	A-MCFR-MA24	C
2000382	Cannady Bros. Dairy	A-MCFR-MA15	C
2000455	Smith, Lawrence	A-MCFR-SA01	C
2000538	M C Voights	A-MCFR-MA03	C
2000552	Benjamin Farms	A-MCFR-MA26	C
2000670	Weber Dairy	A-MCFR-M007	C
2000717	Glen Rockhold Dairy	A-MCFR-MA20	C
2000761	Gottstein, John C.	A-MCDG-S003	C
2000833	Sobba, Claron	A-MCFR-MA27	C
2000853	C-ho Dairy, Inc.	A-MCDG-M007	C
2000880	Anschutz Farm	A-MCOS-BA07	C
2000992	Radcliffe Farms	A-MCFR-MA34	C
2001021	Tauy Creek Holsteins	A-MCDG-M002	C
2001050	Bryan Family Trust	A-MCOS-BA08	C
2001078	Wray, Jerry	A-MCFR-MA04	C
2001232	Gantz, Charles	A-MCFR-MA10	C
2001236	Jamison, Melvin Sons	A-MCFR-MA33	C
2001347	Mccormick, Charley A.	A-NECF-BA05	C

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2001379	Burkdoll Bros., Inc.	268	C
2001441	Sink Farms	A-MCFR-S028	C
2001561	Woodbury Farms	A-MCOS-BA16	C
2001567	Ltb Land Cattle	A-MCFR-S012	C
2001596	Moore, Richard	A-MCFR-BA06	C
2001645	Pearson Cattle Co.	A-MCOS-BA12	C
2001647	Nelson Farms, c/o Glen Nelson	A-MCFR-S024	C
2001775	Combes, David L	A-MCOS-BA19	C
2001792	Sturdy Farms	A-MCOS-B007	C
2001956	Beauchamp, Jack	A-MCFR-BA01	C
2001963	Peine, Robert	A-MCFR-BA10	C
2002014	Sundstrom Farms	A-MCFR-M004	C
2002227	Franklin County Livestock Commission Co	A-MCFR-BA09	C
2002604	Bethell, Jeff	A-MCOS-H001	C

Regulated Hazardous Waste Potential Site Sources

Did Not Contain Any Of These Potential Site Sources

Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3000106	Heritage Motors	01321	B

Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3000242	Ottawa Coop	02923	B
3000589	South Main Serv (former)	06491	B
3000772	Conoco Travel Shoppe	07715	B
3001001	Cooks Service	13019	B
3001030	Grays Equipment	14102	B
3001039	Fogle Quarry	14395	B
3001064	Heathman Oil Co	15345	B
3001123	Conoco, Lewis	17137	B
3001193	Sheldon Inc	20019	B
3001213	Taylor Oil Inc	20581	B
3001555	Usd 290, Lincoln Elementary	25871	B
3001557	Usd 290, Garfield Elementary	25873	B
3001558	Usd 290, Hawthorne Elementary	25874	B
3001632	City Of Ottawa, Work Shop	26211	B
3001754	Kdot, Ottawa	26702	B
3001816	Ups, Ottawa	27049	B
3001873	Caseys General #596	27284	B
3001940	Ransom Memorial Hospital	27556	B
3001987	Bill Wheeler Service	27885	B
3002198	Bass Electric	29066	B
3002264	Dodson International	29380	B
3002268	Wal-mart #382	29415	B
3002412	Edwards 66 Service	41147	B

Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3002413	Ottawa Municipal Power Plant	41158	B
3002461	DhSchool Bus Inc	70012	B
3002590	Baxter Oil	80450	B
3002591	Sinclair, Hanks	80451	B
3002592	Loren Mccurdy Auto Sales	80452	B
3002594	Ottawa Municipal Power Plant	80454	B
3002595	Weidner Oil Co	80455	B
3002627	Dick Martin Property	81119	B
3002678	Rule-schrumm Construction	81262	B
3002700	Beyond Video	81311	B
3002843	Giesy Property	81686	B
3000105	I-35 Service, Former	01293	C
3000665	Stop 2 Shop	06801	C
3000792	Osage Co Road Bridge	07887	C
3001070	Hilltop 66	15466	C
3001082	Lybarger Oil	15771	C
3001181	Texaco, Romines	19551	C
3001313	Ottawa Truck	23519	C
3001470	Osage Co, Hwy Dept	25461	C
3001554	Usd 290, Ottawa High School	25870	C
3001556	Usd 290, Ottawa Elementary	25872	C
3001617	Our Own Hardware	26152	C
3001633	Ottawa Municipal Airport	26212	C

Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3001910	Kansas National Guard Armory	27447	C
3002000	Casey's General #14	27989	C
3002589	Fina Truck Stop (former)	80449	C
3002593	Ottawa Airport	80453	C
3002696	Bowers, Charlie Property	81299	C

Regulated Identified Contaminated Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
7000505	OTTAWA TRUCK CORPORATION	C403000151	B
7000507	OTTAWA SATELLITE POW CAMP (FORMER)	C403071259	B
7000415	FORBES S-3 SITE	C301603016	C
7000502	FORBES S-2 SITE	C402303028	C

Regulated Solid Waste Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
5000299	City of Ottawa	0289-S	B
5000491	City of Ottawa	0475-S	B
5000142	Franklin County Transfer Station	0159-S	C
5000145	Franklin County	0160-S	C

Regulated Solid Waste Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
5000621	Franklin County HHW	0608-S	C

Regulated Waste Water Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
6000168	PENNY'S CONCRETE-LELOUP QUARRY	I-MC31-NP03	B
6000169	FOGLE QUARRY – SOUTH	I-MC31-PO02	B
6000170	KANSAS PIPELINE COMPANY	I-MC31-PO05	B
6000175	NELSON QUARRY – WAVERLY	I-MC47-PO02	B
6000176	PANHANDLE EASTERN PIPELINE CO. (WAVERLY	I-MC47-PO03	B
6000258	WILLIAMSBURG MWTP	M-MC50-OO01	B
6000445	VFW POST 5901 WASTEWATER LAGOON	C-MC31-NO03	B
6000451	SAVE REST SHOP	C-MC50-NO01	B
6000767	HUNT MIDWEST – LYNDON QUARRY	I-MC21-PO03	B
6000768	MARTIN MARIETTA (MELVERN QUARRY)	I-MC23-PO02	B
6000771	OTTAWA REDI-MIX CONCRETE CO., INC.	I-MC31-NO07	B
6000772	STINSON PROCESSING	I-MC31-NP02	B
6000775	MARTIN MARIETTA (OTTAWA QUARRY)	I-MC31-PO03	B
6000776	OTTAWA MUNICIPAL WATER LIGHT PLANT	I-MC31-PO04	B
6000782	HUNT MIDWEST – PRINCETON	I-MC38-PO01	B
6000784	COUNTRY CORNER GROUNDWATER REMED.	I-MC47-PO04	B
6000785	MARTIN MARIETTA (LELOUP QUARRY)	I-MC48-PO03	B

Regulated Waste Water Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
6000790	HUNT MIDWEST – GLOBE	I-MC55-PO01	B
6001451	BALDWIN MWTP	M-MC04-OO01	B
6001452	BALDWIN MWTP	M-MC04-OO01	B
6001453	BALDWIN MWTP	M-MC04-OO01	B
6001478	LYNDON MWTP	M-MC21-OO01	B
6001481	MELVERN MWTP	M-MC23-OO01	B
6001485	OSAGE CITY WWTF	M-MC29-OO01	B
6001488	OTTAWA MWTP	M-MC31-IO01	B
6001489	OTTAWA MWTP	M-MC31-IO01	B
6001505	PRINCETON MWTF	M-MC38-OO01	B
6001506	QUENEMO MWTP	M-MC39-OO01	B
6001519	WAVERLY MWTP	M-MC47-OO01	B
6001520	WELLSVILLE MWTP	M-MC48-OO01	B
6001522	WILLIAMSBURG MWTF	M-MC50-OO02	B
6000167	BUILDEX, INCORPORATED	I-MC31-NP01	C
6000174	HUNT MIDWEST – POMONA	I-MC39-PO01	C
6000177	HARSHMAN CONSTRUC. – WILLIAMS QUARRY	I-MC57-PO01	C
6000290	RENZOIL INC.	I-UA36-PO01	C
6000315	OSAGE COUNTY S.D. NO. 2 (PROPOSED)	M-MC58-OO01	C
6000446	HORSE SHOE CAFE	C-MC31-NO05	C
6000447	MCKENZIE'S RESTAURANT	C-MC31-NO06	C
6000448	TIMBER LAKES CAMP AND RETREAT CENTER	C-MC31-NO07	C
6000452	TOTAL TRUCK STOP	C-MC57-OO02	C

Regulated Waste Water Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
6000453	BETO JCT. TRAVEL PLAZA – HPT INV.	C–MC57–OO03	C
6000454	GREEN ACRES RESTAURANT WWTP	C–MC58–NO02	C
6000766	HAMM – LIEBER/PLAGE #74	I–MC21–PO02	C
6000773	WILLIAMS NAT. GAS – OTTAWA COMP. STA.	I–MC31–NP04	C
6000774	KANSAS PIPELINE–OTTAWA COMPRESSOR STA.	I–MC31–NP06	C
6001450	USD #348 BALDWIN MARION SPRINGS SCHOOL	M–MC04–NO01	C
6001490	OTTAWA MWTP	M–MC31–IO01	C
6001491	OTTAWA MWTP	M–MC31–IO01	C
6001492	OTTAWA MWTP	M–MC31–IO01	C
6001493	KDOT. OTTAWA MAINTENANCE SHOP	M–MC31–NO01	C
6001494	KDOT. FRANKLIN CO. REST AREA	M–MC31–OO02	C
6001502	USD #287 APPANOOSE ELEMENTARY	M–MC36–NO02	C
6001503	POMONA WWTP	M–MC36–OO01	C
6001507	RANTOUL MWTP	M–MC40–OO01	C
6001510	RICHMOND MWTF	M–MC43–OO01	C
6002014	OTTAWA TRUCK DIVISION	P–MC31–OO01	C

Public Water Supply: **FRANKLIN CO RWD 6**
Assessment Area: **336**
Diversion Id's: **001, 003, 002, 999**
Status: **Accepted**
Submit Date: **2003-01-03 15:43:57**

Added Sources:

The Added Sources section lists all the sites that have been added as potential sources of contamination by an evaluator through the assessment process to supplement the original data.

The potential sources listed in this section are sorted to show the added potential sources in Zone A first, Zone B second, and Zone C third.

Although a facility or business was added as a potential concern, it does not necessarily mean a release or spill has occurred. Contamination could only occur if certain chemical substances are released into the environment and filter into the water supply source.

Added Sources

Public Water Supply: **FRANKLIN CO RWD 6**
Assessment Area: **336**

Added Potential Site Sources

Source No.	Source Name	SIC ID	Zone
9001142	grove of trees	0	B
9001198	Forestry	0	B
9001143	Fuel, grain and feed and hay storage	10026	B
9001269	Fuel, grain, and feed and hay storage	10026	B
9001196	discharging lagoons	10075	B
9001268	non–discharging lagoons	10075	B
9001139	cropland	115	B
9001270	cropland	115	B
9001140	pastureland	10080	C
9001197	oil wells	1381	C

Public Water Supply: **FRANKLIN CO RWD 6**
Assessment Area: **336**
Diversion Id's: **001, 003, 002, 999**
Status: **Accepted**
Submit Date: **2003-01-03 15:43:57**

Potential Contaminants Summary:

The Contaminants Summary shows the number of identified unregulated sources in the assessment area for each contaminant of concern category.

In order to obtain the number of sources for each category, a relationship was correlated between each Standard Industrial Classification (SIC) and the contaminant of concern categories. Each SIC was assessed and associated with contaminant categories. For example, if not managed properly, a car wash (SIC 7542) could potentially contaminate an intake because of inorganic compounds (IOC) and volatile organic compounds (VOC); thus, a car wash is associated with IOCs and VOCs.

A chart displays a count for each contaminant category. The sum for each category represents the total number of identified sources that have been associated with that particular contaminant category. However, the total number of identified sources does not include contaminants from the Added Sources. In our example, a car wash would be considered 2 sources of contamination. It would be a potential source of contamination for IOCs and for VOCs; thus, 1 would be added to the total number of sources in the VOC category and 1 would be added to the IOC category.

Potential Contaminants Summary

Public Water Supply: **FRANKLIN CO RWD 6**

Assessment Area: **336**

Number of Unregulated Site Sources Identified for each Contaminant Category

MicroBiological	Sedimentation	Pesticides	IOC's	SOC's	VOC's	E – P
58	54	12	143	43	91	49

A – Microbiological

B2 – Sedimentation

C* – Pesticides

B – Inorganic Compounds

C – Synthetic Organic Compounds

D – Volatile Organic Compounds

B1 – Eutrophication – Phosphorous

Public Water Supply: **FRANKLIN CO RWD 6**
Assessment Area: **336**
Diversion Id's: **001, 003, 002, 999**
Status: **Accepted**
Submit Date: **2003-01-03 15:43:57**

Potential Contaminants Listing:

The Potential Contaminants section lists the contaminant of concern category associated with each Standard Industrial Classification (SIC) found in an assessment area. A complete list of contaminant category codes are located at the bottom of this page.

The relationships defined between the Standard Industrial Classifications (SIC) and the contaminant of concern categories are displayed in a table format. Using our car wash example, the relationships can be better illustrated. A car wash could release IOC and VOC chemical substances. The connection is shown by indicating the SIC, 7542, and the associated contaminant categories, IOC (Category B) and VOC (Category D). However, the contaminants listed are not associated with any Added Sources.

The list is sorted by the SIC source description and it only shows unique SIC sources. For example, an assessment area can have 20 car washes in an assessment area, but the list is only going to show contaminant categories associated with car washes onetime. This is because all car washes have the same SIC and every car wash poses the same potential threat to water intakes.

A – Microbiological **B** – Inorganic Compounds **B1** – Eutrophication – Phosphorous
B2 – Sedimentation **B*** – Nitrates **C** – Synthetic Organic Compounds
C* – Pesticides **D** – Volatile Organic Compounds

Potential Contaminants Listing

Public Water Supply: **FRANKLIN CO RWD 6**

Assessment Area: **336**

Unregulated Identified Site Sources and associated Potential Contaminant Category

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
7538	Auto Truck Repair Service	Inorganics, VOCs	B
"	"	"	D
7542	Car Wash	Inorganics, VOCs	B
"	"	"	B1
"	"	"	B2
"	"	"	D
212	Cattle Working Area	Sanitary, Fertilizers TSS	A
"	"	"	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
5082	Construction and Mining Machinery	NA	NA
5541	Gasoline Service Station	Inorganics, VOCs	B
"	"	"	D
7992	Golf Course	Fertilizers and pesticides	A
"	"	"	B1
"	"	"	B2

Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
7992	Golf Course	Fertilizers and pesticides	B*
"	"	"	C*
1611	Highway and Street Construction	Sedimentation	B2
4212	Local Trucking, without Storage	VOCs	D
3599	Machinery, Except Electrical Manufacturing	inorganics, VOCs	B
"	"	"	D
2011	Meat Packing Plant Manufacturing	BOD, pathogens, Oil and grease	A
"	"	"	B*
6515	Mobile Home Park	Sanitary wastes, Fertilizers	A
"	"	"	B
"	"	"	B1
"	"	"	B*
3711	Motor Vehicles and Car Bodies Manufacturing	inorganics, VOCs	B
"	"	"	D
2873	Nitrogen Fertilizer Manufacturing	nitrogen	B
"	"	"	B*
1542	Nonresidential Construction	Sedimentation	B2
1389	Oil and Gas Field services	Oil, Salt Water	B
"	"	"	C

Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
3089	Plastics products Manufacturing	inorganics, VOCs	B
"	"	"	D
2452	Prefabricated Wood Buildings Manufacturing	TSS	B
"	"	"	D
3273	Ready-mix Concrete Plant	Minerals and TSS	B
7033	Recreational Vehicle Parks and Campsites	sanitary, fertilizers, pesticides	A
"	"	"	B
"	"	"	B1
"	"	"	B*
"	"	"	C*
5093	Scrap and Waste Materials	Metals, TSS	B
3444	Sheet Metal Work Manufacturing	Metals and TSS, VOCs and metal etch	B
3993	Signs and Advertising Display Manufacturing	inorganics, VOCs	B
"	"	"	D
1521	Single-family Housing Construction	Oil, Paint, Pesticides, Fertilizers	A
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C

Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
7532	Top, Body, and Upholstery Repair Shops and Paint Shops	Inorganics, VOCs	B
"	"	"	D
742	Veterinary Services, Specialties	Sanitary, Inorganics TSS	A
"	"	"	B
752	Animal Specialty Services	Sanitary, fertilizers	A
"	"	"	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
2759	Commercial Printing NEC	Inorganics, VOCs, Semi volatiles	B
"	"	"	C
"	"	"	D
2752	Commercial Printing–Lithographic	Inorganics, VOCs, Semi volatiles	B
"	"	"	C
"	"	"	D
241	Dairy Farms	Sanitary, fertilizers	A
"	"	"	B
"	"	"	B1
"	"	"	B2

Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
241	Dairy Farms	Sanitary, fertilizers	B*
175	Deciduous Tree Fruit Orchard	fertilizers, pesticides, VOCs	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C*
"	"	"	D
3523	Farm Machinery and Equipment	inorganics	B
"	"	"	D
4221	Farm Product Warehousing and Storage	TSS, VOCs	B
"	"	"	D
5083	Farm and Garden Machinery	inorganics	B
191	General Farm, Primarily Crop	fertilizers, Pesticides	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C*
2711	Newspapers Publishing and Printing	Inorganics, VOCs, Semi volatiles	B
"	"	"	C

Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
2711	Newspapers Publishing and Printing	Inorganics, VOCs, Semi volatiles	D
5561	Recreational vehicle sales and repair	Inorganics	B
4953	Refuse Systems	ALL	A
"	"	"	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C
"	"	"	C*
"	"	"	D
7699	Repair Services, Nec	inorganics	B

Public Water Supply: **FRANKLIN CO RWD 6**
Assessment Area: **336**
Diversion Id's: **001, 003, 002, 999**
Status: **Accepted**
Submit Date: **2003-01-03 15:43:57**

Protection Measures:

The Protection Measures section shows water quality protection measures for the Standard Industrial Classifications (SIC) identified in the assessment area.

Previous sections of this report are designed to show areas that Public Water Supplies (PWS) can focus on to improve the susceptibility of an assessment area. This section helps identify water quality protection measures that a PWS can use as guidance for implementing action for a potential contaminant site in the assessment area. It focuses on protection measures that can reduce the risk of contamination to the water supply.

This portion of the report only displays water quality protection measures for each type of SIC found in the assessment area. It does not display protection measures for each site in the assessment area because every SIC should have the same or similar water quality protection management practices. However, the protection measures listed are not associated with any Added Sources.

Protection Measures

Public Water Supply: **FRANKLIN CO RWD 6**

Assessment Area: **336**

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
7538	Auto Truck Repair Service	Inorganics, VOCs	Discharge to POTW. Manage oil products and used oil so that it is not in contact with water	40 CFR 442 and
7542	Car Wash	Inorganics, VOCs	Install and maintain sediment and grease traps where appropriate	40 CFR 442
212	Cattle Working Area	Sanitary, Fertilizers TSS	Treat wastewater. Maintain area to minimize runoff of sediment	40 CFR 412
5082	Construction and Mining Machinery	NA	Discharge to POTW	NA
5541	Gasoline Service Station	Inorganics, VOCs	Maintain area to minimize fuel contamination	NA
7992	Golf Course	Fertilizers and pesticides	Proper application of fertilizers and pesticides. Proper cleaning of equipment and disposal of chemicals.	KDHE, KAR 28-16

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
1611	Highway and Street Construction	Sedimentation	Erosion and Sediment Control	KAR 28–16, KDHE
4212	Local Trucking, without Storage	VOCs	Discharge to a POTW	State or federal Storm water pollution prevention regulations
3599	Machinery, Except Electrical Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations
2011	Meat Packing Plant Manufacturing	BOD, pathogens, Oil and grease	Wastewater pretreatment and/or discharge to a POTW	40CFR 432 and State or federal Storm water pollution prevention regulations
6515	Mobile Home Park	Sanitary wastes, Fertilizers	Discharge to POTW. Minimize use of lawn chemicals	KAR 28–5
3711	Motor Vehicles and Car Bodies Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
2873	Nitrogen Fertilizer Manufacturing	nitrogen	Minimize contact of product with water. Contain and treat process wastewater	40 CFR 418 and State or federal Storm water pollution prevention regulations
1542	Nonresidential Construction	Sedimentation	Erosion and Sediment Control	KAR 28–16, KDHE
1389	Oil and Gas Field services	Oil, Salt Water	Proper management of production wastes	KAR 28–41, 45, 40 CFR 435
3089	Plastics products Manufacturing	inorganics, VOCs	Pre-treat wastewater prior to discharge. Minimize outdoor storage and control storm water runoff.	40 CFR 463 and State or federal Storm water pollution prevention regulations
2452	Prefabricated Wood Buildings Manufacturing	TSS	Discharge of process waters to POTW. Minimize outdoor storage.	State or federal Storm water pollution prevention regulations
3273	Ready-mix Concrete Plant	Minerals and TSS	Minimize outdoor storage and control storm water runoff.	State or federal Storm water pollution prevention regulations

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
7033	Recreational Vehicle Parks and Campsites	sanitary, fertilizers, pesticides	Discharge to POTW. Minimize use of lawn chemicals	NA
5093	Scrap and Waste Materials	Metals, TSS	Minimize contact with storm water	State or federal Storm water pollution prevention regulations
3444	Sheet Metal Work Manufacturing	Metals and TSS, VOCs and metal etch	Minimize outdoor storage and control storm water runoff. Pre-treat process wastewater prior to discharge to POTW	40 CFR 464 and State or federal Storm water pollution prevention regulations
3993	Signs and Advertising Display Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	40 CFR 459 and State or federal Storm water pollution prevention regulations
1521	Single-family Housing Construction	Oil, Paint, Pesticides, Fertilizers	Proper cleaning and disposal of household hazardous waste. Proper storage, application, and clean up of pesticides and fertilizers	KAR 28-48, KDHE, KDEM
7032	Sporting and Recreational Camps	sanitary, fertilizers, pesticides	Discharge to POTW. Minimize use of lawn chemicals	KAR 28-5

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
7532	Top, Body, and Upholstery Repair Shops and Paint Shops	Inorganics, VOCs	Discharge to POTW. Recycle where appropriate. Properly maintain oil product and waste. Manage paint and solvent wastes properly	NA
742	Veterinary Services, Specialties	Sanitary, Inorganics TSS	Discharge to POT	NA
752	Animal Specialty Services	Sanitary, fertilizers	Collect and treat wastes.	NA
2759	Commercial Printing NEC	Inorganics, VOCs, Semi volatiles	Recycle chemicals where possible. Discharge to POTW	40 CFR 459 and State or federal Storm water pollution prevention regulations
2752	Commercial Printing–Lithographic	Inorganics, VOCs, Semi volatiles	Recycle chemicals where possible. Discharge to POTW	40 CFR 459 and State or federal Storm water pollution prevention regulations
241	Dairy Farms	Sanitary, fertilizers	Collect and treat process wastes. Use good erosion control practices. Minimize storm water contact with contaminants.	40 CFR 405

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
175	Deciduous Tree Fruit Orchard	fertilizers, pesticides, VOCs	Minimize the use of chemicals and pesticides. Maintain good erosion control practices	NA
3523	Farm Machinery and Equipment	inorganics	Discharge to POTW	State or federal Storm water pollution prevention regulations
4221	Farm Product Warehousing and Storage	TSS, VOCs	Keep the area clean of grain. Use grease traps.	State or federal Storm water pollution prevention regulations
5083	Farm and Garden Machinery	inorganics	Discharge to POTW	NA
191	General Farm, Primarily Crop	fertilizers, Pesticides	Maintain good erosion control practices and minimize the use of chemicals	NA
2711	Newspapers Publishing and Printing	Inorganics, VOCs, Semi volatiles	Recycle chemicals where possible. Discharge to POTW	40 CFR 459 and State or federal Storm water pollution prevention regulations

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
5561	Recreational vehicle sales and repair	Inorganics	Discharge to a POTW. Store oils and lubricants properly	Discharge to a POTW. Store oils and lubricants properly
4953	Refuse Systems	ALL	Store wastes properly in order to minimize contact with storm water.	Maintain the lagoon or storage vessel properly. Control storm water run on and runoff to minimize contamination of storm water
7699	Repair Services, Nec	inorganics	Discharge to POTW	NA

Public Water Supply: **FRANKLIN CO RWD 6**
Assessment Area: **336**
Diversion Id's: **001, 003, 002, 999**
Status: **Accepted**
Submit Date: **2003-01-03 15:43:57**

Assessment Analysis:

The Assessment Analysis section displays the numbers assigned to each contaminant of concern category for each question in the susceptibility analysis.

This analysis is based on a decision tree framework consisting of a series of yes/no questions. These questions consider the proximity of contaminant sources to the water supply intake, the type of contaminant, and the application of pollution prevention or water quality protection practices to sources of contamination. As the evaluator moves through the analytical framework, susceptibility points are accumulated based on the presence of contaminant sources in the assessment area.

After all the questions have been answered, the SLS is calculated for each contaminant of concern category. The SLS is determined by counting the number of contamination risk factors found to occur in the delineated assessment area and applying a multiplier to this number. Because the number of contaminant category risk factors is not equal, the multiplier is used to establish a common scale for the SLS of each contaminant category.

Assessment Analysis

Public Water Supply: **FRANKLIN CO RWD 6**

Assessment Area: **336**

Surface Water Multiple Wells Analysis

A – Microbiological **B** – Inorganic Compounds

B1 – Eutrophication – Phosphorous

B2 – Sedimentation **C** – Synthetic Organic Compounds

C* – Pesticides **D** – Volatile Organic Compounds

No.	Question	Response	A	B	B1	B2	C	C*	D
1	Is any intake located at a treatment plant?	No	1	1	0	0	1	1	1
2	Is there an open channel conveyance from any of the intakes to a treatment plant?	Yes	1	1	0	0	1	1	1
3	Does a PWS own or control all conveyance right-of-ways?	No	1	1	0	0	1	1	1
4	Does a PWS own or control all areas within 1/4 mile of intake?	No	1	1	0	0	1	1	1
5	Are all areas within 1/4 mile of intakes entirely native grass?	No	1	1	0	0	1	1	1
6	Is transportation infrastructure in close proximity to intake?	No	0	0	0	0	0	0	0
7	Are there water quality protection plans in use for each site?	Yes	0	0	0	0	0	0	0
8	Are any commercial, industrial, or urban areas present?	Yes	1	1	0	0	1	1	1
9	Does each industrial/commercial site and urban area have a water quality protection plan in place?	No	1	1	0	0	1	1	1
10	Is riparian area vegetated?	No	1	1	0	0	0	1	0
11	Has riparian area been farmed up to the stream/riverbank?	Yes	0	0	0	0	0	1	0
12	Is there a lack of native grass or trees?	No	0	0	0	0	0	1	0
13	Is livestock use present in any of the riparian areas?	Yes	2	0	1	0	0	2	0
14	Are any confined livestock production sites in riparian area?	Yes	2	0	1	0	0	2	0
15	Is each confinement area registered with KDHE?	No	2	0	1	0	0	2	0
16	Are any row crops (corn, milo, soybeans) present?	Yes	0	0	1	1	0	2	0
17	Are water quality protection plans in use for each cropland?	No	0	0	1	1	0	2	1

No.	Question	Response	A	B	B1	B2	C	C*	D
18	Are any orchards present?	Yes	0	0	0	0	0	2	0
19	Are water quality protection plans in use for each orchard?	No	0	0	0	0	0	2	0
20	Is the intake a river intake?	Yes	1	1	0	1	1	1	1
21	Is the intake at a city owned lake?	No	1	1	1	1	1	1	1
22	Is there water quality monitoring conducted at all the rivers and/or lakes?	No	1	1	1	1	1	1	1
23	Is TMDL needed for the river or lake?	Yes	1	1	1	1	1	1	1
24	Are TMDL pollutants of concern reported by monitoring?	No	1	1	1	1	1	1	1
25	Are any point source discharges within 16 miles upstream of any intake?	Yes	1	1	1	1	1	0	1
26	Is pretreatment required at any point sources?	Yes	1	1	1	1	1	0	1
27	Are all riparian buffers vegetated?	No	1	1	1	1	0	1	0
28	Are vegetated riparian buffers and a water quality protection plan in place?	Yes	0	0	0	0	0	0	0
29	Is there urbanized land within any of the riparian buffers?	Yes	1	1	1	1	1	1	1
30	Is a NPDES stormwater permit required for the urbanized areas?	No	1	1	1	1	1	1	1
31	Are voluntary water quality protection plans in place for each urbanized area?	No	1	1	1	1	1	1	1
32	Is there industrial land use within any of the riparian buffers?	Yes	1	1	1	1	1	1	1
33	Is a NPDES stormwater permit required for the industrial areas?	No	1	1	1	1	1	1	1
34	Are voluntary water quality protection plans in place for each industrial area?	No	1	1	1	1	1	1	1
35	Is there any small grain (wheat, oats, barley) production?	Yes	0	0	1	1	0	1	0
36	Are water quality protection plans in use for each grain production?	No	0	0	1	1	0	1	0
37	Are there unsewered developments (concentrations of lagoons or septic systems) present in Zone B?	Yes	1	1	0	0	0	0	0
38	Is a general watershed water quality protection plan in use?	No	1	1	1	1	1	1	1
39	Are any point source discharges within 16 miles upstream of intake?	No	1	1	1	0	1	0	1
40	Is pretreatment required at any of the point sources?	Yes	1	1	1	1	1	0	1

Public Water Supply: **FRANKLIN CO RWD 6**
Assessment Area: **336**
Diversion Id's: **001, 003, 002, 999**
Status: **Accepted**
Submit Date: **2003-01-03 15:43:57**

Site Comments:

The Site Comments section lists all the comments that were added for the potential sources of contamination found in the assessment area.

Local comments and feedback from people that are familiar with the assessment area is an important aspect of the assessment. The comments greatly improve the assessment by adding detail to the sites that can be referenced for more information.

This local information may include comments on potential contamination threats (or lack there of), local water quality protection initiatives, etc. Adding comments are optional and are mainly focused on sources in areas that could have the greatest impact on water supply if a spill or release occurred in the environment. It is left to the discretion of the PWS and/or source water assessment committee to add comments.

Site Comments

Public Water Supply: **FRANKLIN CO RWD 6**

Assessment Area: **336**

Comments for Unregulated Sites

Potential Contaminant Site No.	Site Comments	Author
142219	The Location of the meat packing plant is not there. We do not have one at the location on the map	Sheila Dale
142219		Sheila Dale

Comments for Regulated Confined Animal Feeding Operations Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
Litch Farms	2000882	livestock operation water quality plan unknown	Sheila Dale
Mickelson Farm	2000292	this livestock facility has no water quality protection plans	Sheila Dale

Comments for Regulated Hazardous Waste Sites

Did Not Receive Any Comments

Comments for Regulated Leaking Storage Tank Sites

Did Not Receive Any Comments

Comments for Regulated Identified Contaminated Sites

Did Not Receive Any Comments

Comments for Regulated Solid Waste Sites

Did Not Receive Any Comments

Comments for Regulated Waste Water Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
HUNT MIDWEST – LYNDON QUARRY	6000767	This quarry is under special use permit and with the state and has water plans	Sheila Dale
MARTIN MARIETTA (MELVERN QUARRY)	6000768	This quarry has been closed and reclaimed	Sheila Dale
MELVERN MWTP	6001481	City of Mever is in the process of updating the lagoon system they have applied for a permit through the KS water pollution control permit and suthoriztion to discharge under the national pollutant discharge elimination system. T	Sheila Dale
MELVERN MWTP	6001481	Monitorin for ammonia and fecal coliform shall be conducted annuall during July, Aug, or Sept. and reported to KDHE with the discharge moitoring report	Sheila Dale
MELVERN MWTP	6001481	They have a 2 cell lagoon system, and are requesting to add an additional cell	Sheila Dale
USD #287 APPANOOSE ELEMENTARY	6001502	This facility uses nondischarging lagoons.	Nicole Fisher

Public Water Supply: **FRANKLIN CO RWD 6**
Assessment Area: **336**
Diversion Id's: **001, 003, 002, 999**
Status: **Accepted**
Submit Date: **2003-01-03 15:43:57**

Added Site Comments:

The Added Site Comments section lists the comments for why sites were added as a potential source of contamination found to the assessment area.

Added Site Comments

Public Water Supply: **FRANKLIN CO RWD 6**

Assessment Area: **336**

Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
Forestry	9001198	This is an important buffer to prevent contamination into the public water supply.	Nicole Fisher
Fuel, grain and feed and hay storage	9001143	This site could contaminate the public water supply.	Nicole Fisher
Fuel, grain, and feed and hay storage	9001269	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001139	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001270	This site could contaminate the public water supply.	Nicole Fisher
discharging lagoons	9001196	This site could contaminate the public water supply.	Nicole Fisher
grove of trees	9001142	This is an important buffer to prevent contamination into the public water supply.	Nicole Fisher
non–discharging lagoons	9001268	This site could contaminate the public water supply.	Nicole Fisher
oil wells	9001197	This site could contaminate the public water supply.	Nicole Fisher
pastureland	9001140	This site could contaminate the public water supply.	Nicole Fisher

Public Water Supply: **FRANKLIN CO RWD 6**
Assessment Area: **336**
Diversion Id's: **001, 003, 002, 999**
Status: **Accepted**
Submit Date: **2003-01-03 15:43:57**

Analysis Question Comments:

The Analysis Question Comments section lists all the comments that were added during analysis portion of the assessment, in which a series of yes/no questions were asked.

Evaluators have the option to add comments to questions to clarify why a response was given or to give more details to a question. Local comments and feedback from people that are familiar with the assessment area is an important aspect of the assessment. The comments greatly improve the assessment by adding clarification and details that could not be identified with a simple yes or no response.

Analysis Question Comments

Public Water Supply: **FRANKLIN CO RWD 6**
Assessment Area: **336**

Comments for Analysis Questions

Analysis Question	Question Comments	Author
Did Not Receive Any Comments		